

FIG.1

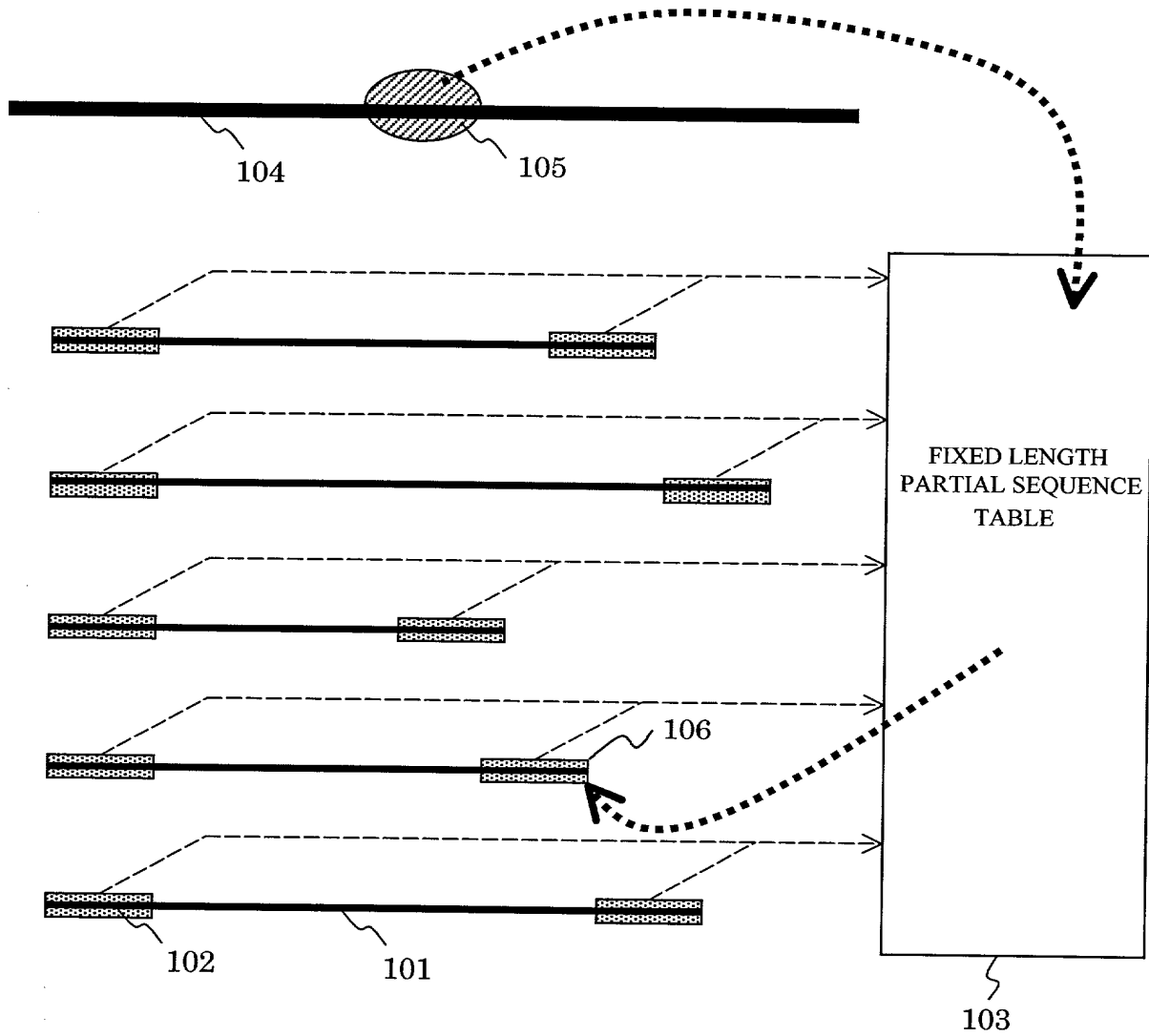


FIG.2

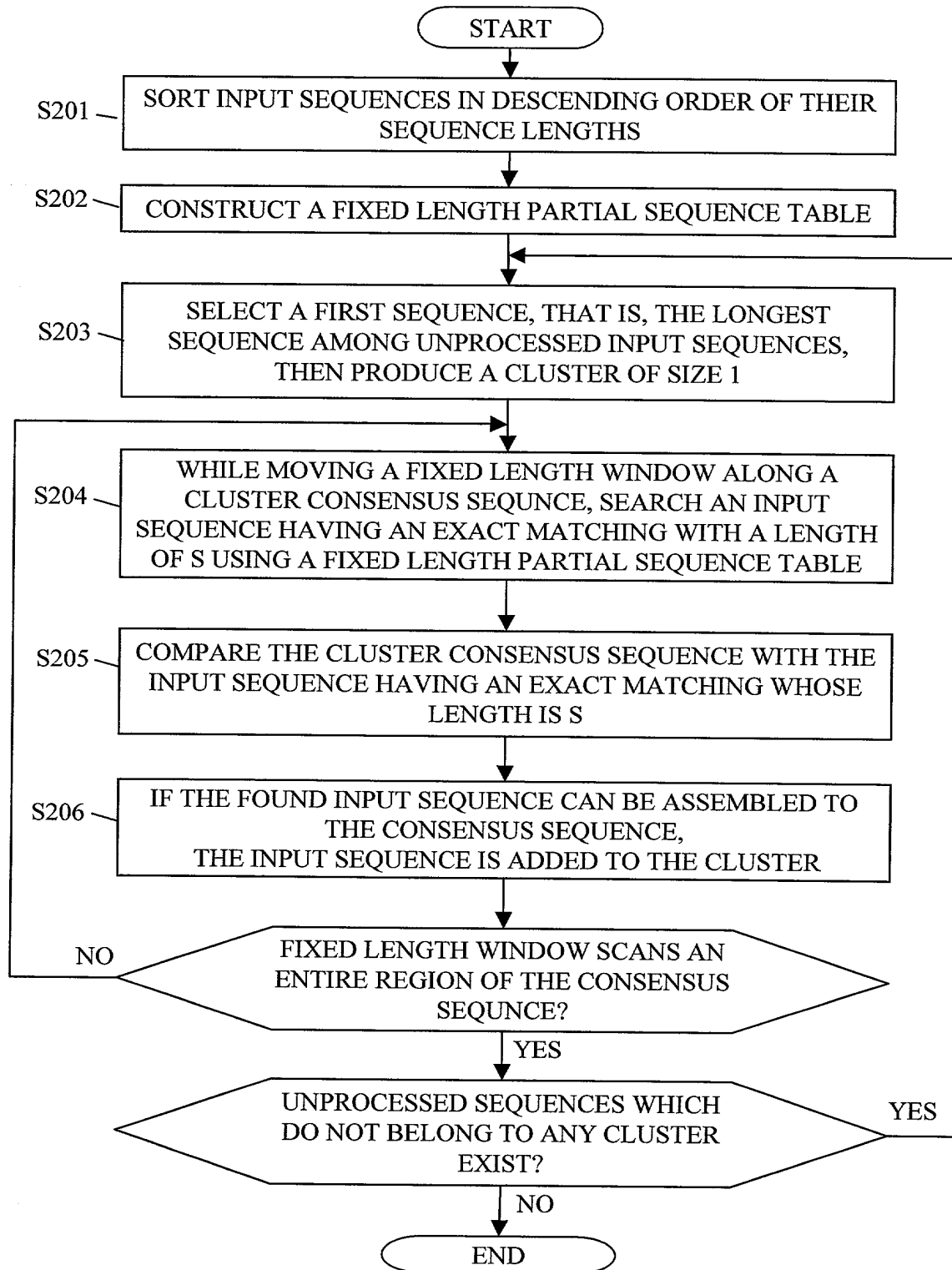


FIG.3

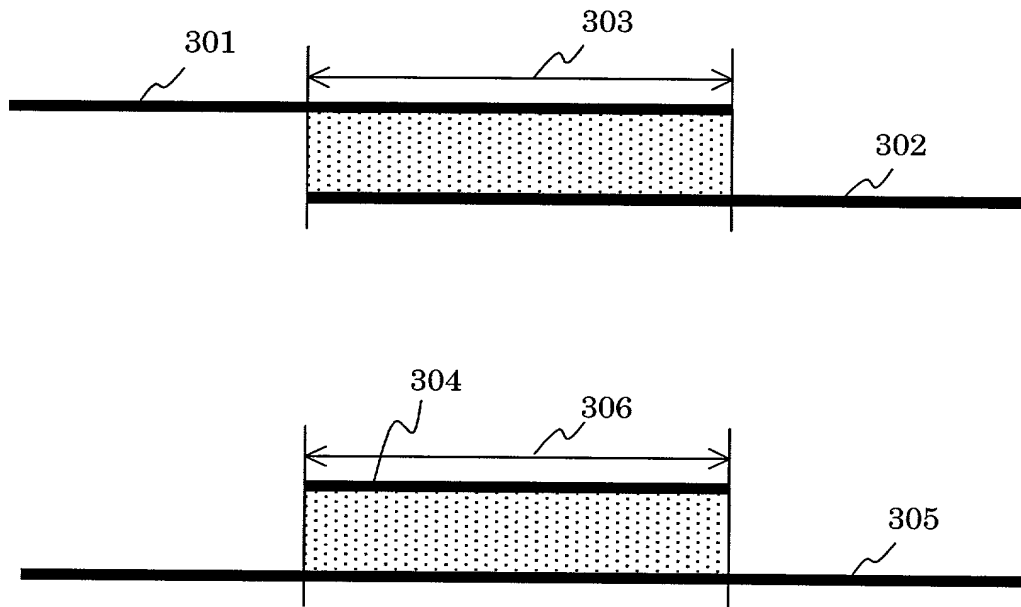
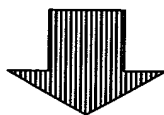
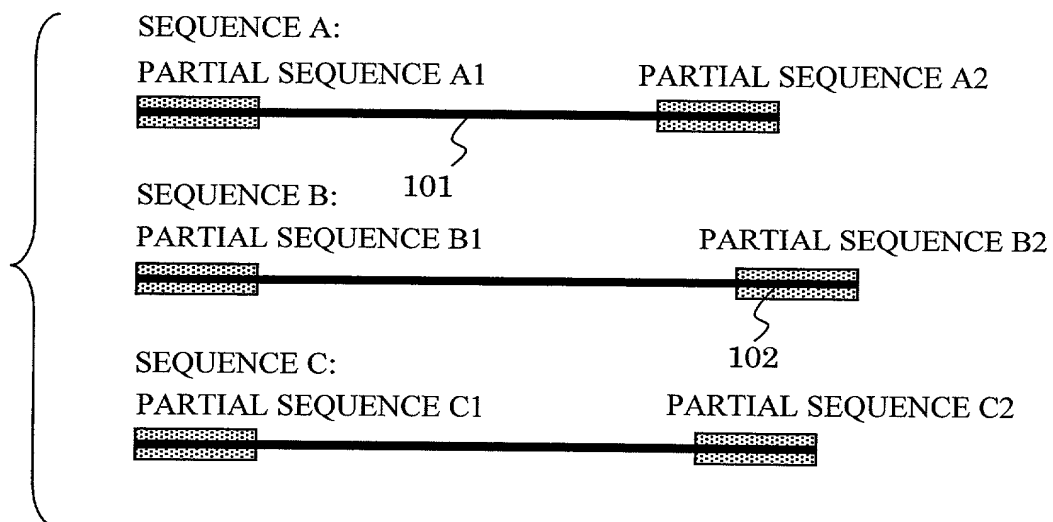


FIG.4



103

PARTIAL SEQUENCE	INPUT SEQUENCE	POSITION
A1	A	0
A2	A	400
B1	B	0
B2	B	500
C1	C	0
C2	C	450

401

402

FIG.5

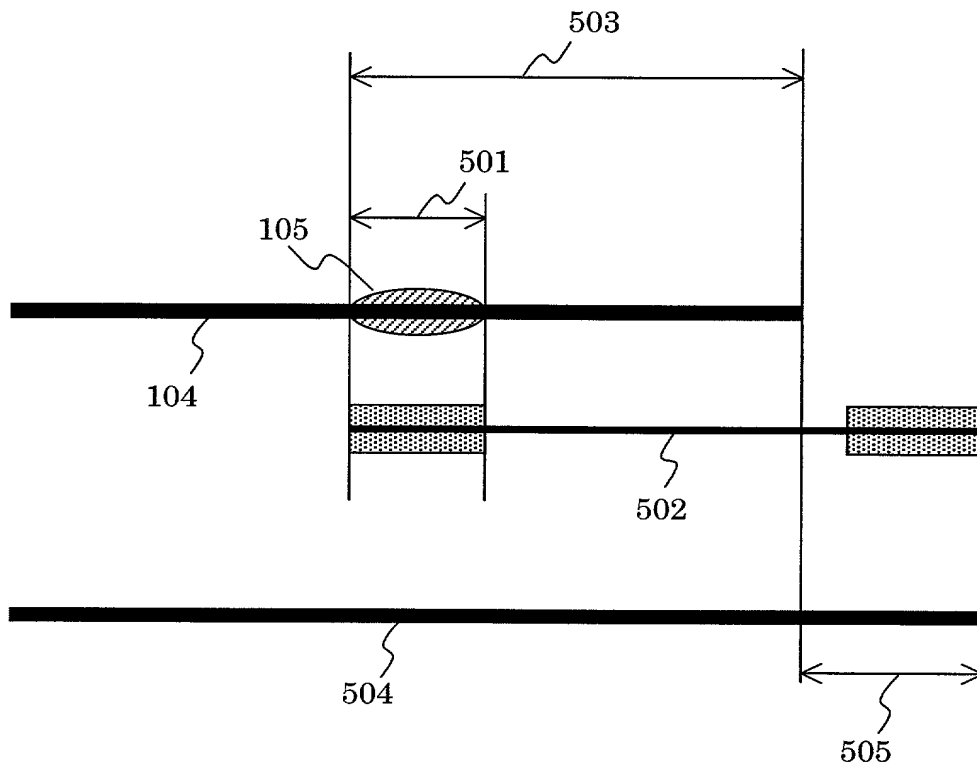


FIG.6

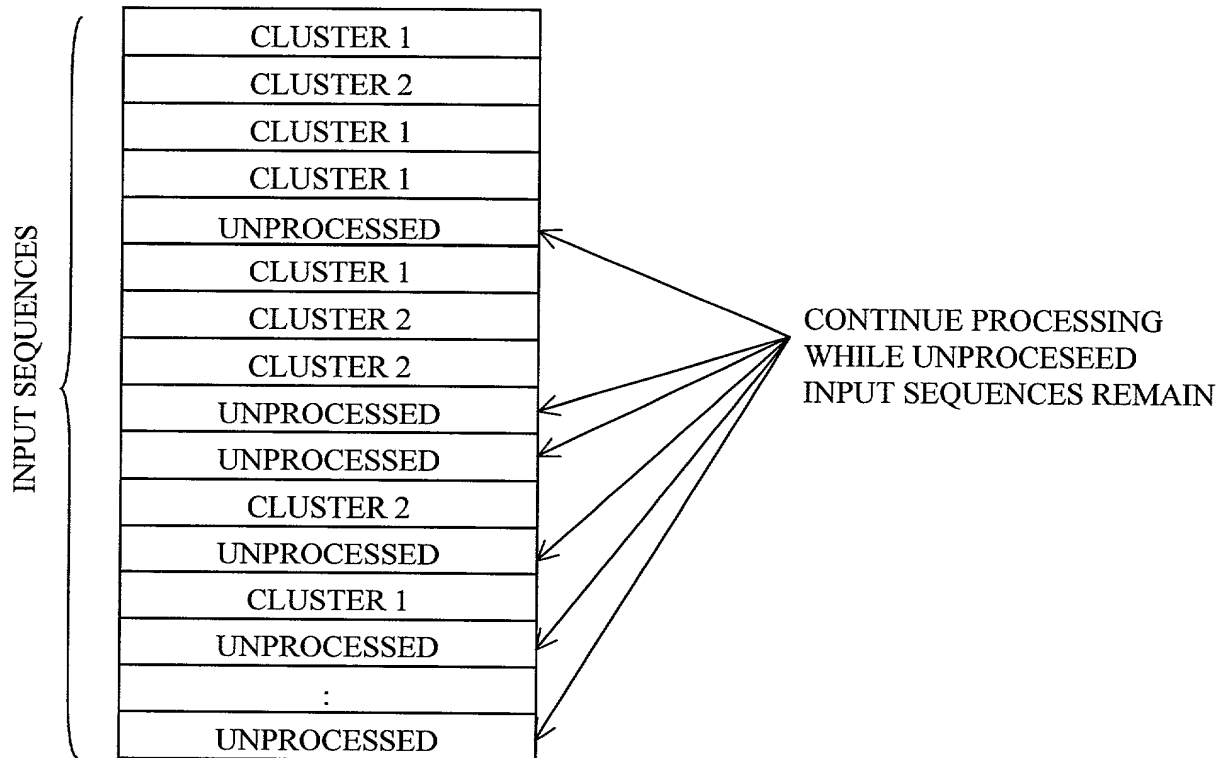
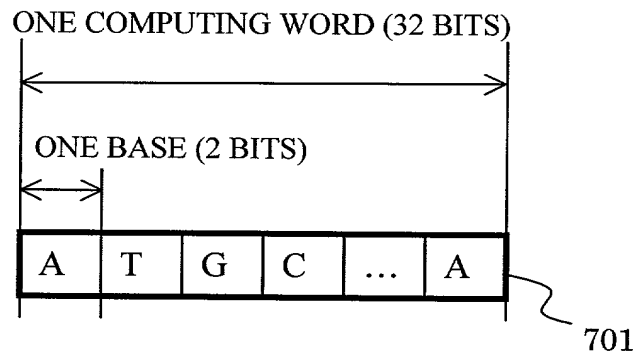


FIG.7

IF ONE COMPUTING WORD IS USED



IF TWO COMPUTING WORDS ARE USED

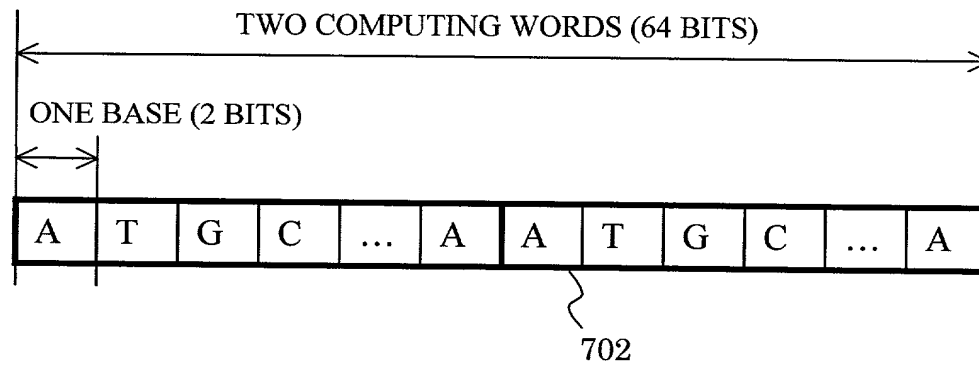
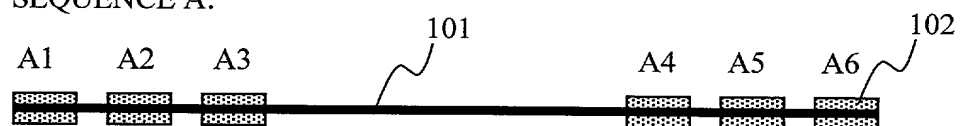


FIG.8

SEQUENCE A:



SEQUENCE B:



SEQUENCE C:



FIG.9

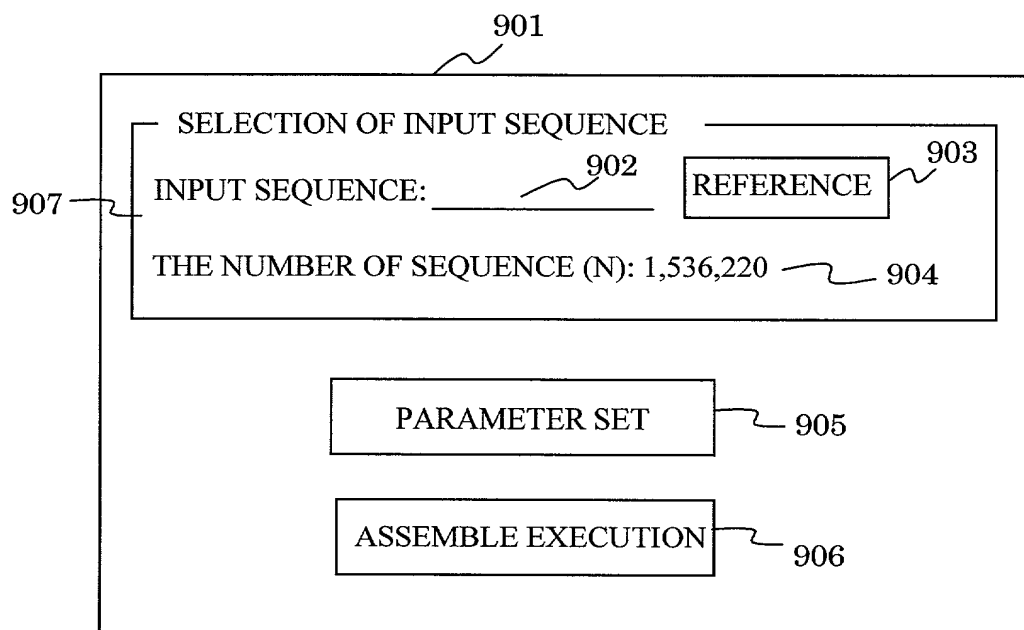


FIG.10

1001

SELECTION OF FIXED LENGTH PARTIAL SEQUENCE POSITION

1021 THE NUMBER OF FIXED LENGTH PARTIAL SEQUENCES (K): 6 1002

UPPER LIMIT OF DISTANCE FROM END OF SEQUENCE (R): 63 1003

1004

1006

1005

1007

SETTING OF FIXED LENGTH PARTIAL SEQUENCE LENGTH

1022 UPPER LIMIT OF EXPECTED VALUE OF THE NUMBER OF COINCIDENTAL MATCHING OCCURRENCE (c): 0.125 1008

FIXED LENGTH PARTIAL SEQUENCE LENGTH (s): 13 1009

FIXED LENGTH PARTIAL SEQUENCE KEY FREQUENCY UPPER LIMIT

1023

UPPER LIMIT (F): 10 1011

INFINITY ☒ 1012

1013

1014

1017

ATGCA	12345	▲
GCAAT	36	▲
GGCAC	5	▲
TATGG	5	▲
⋮		▲

1016

1015

OK 1018

Cancel 1019

FIG.11

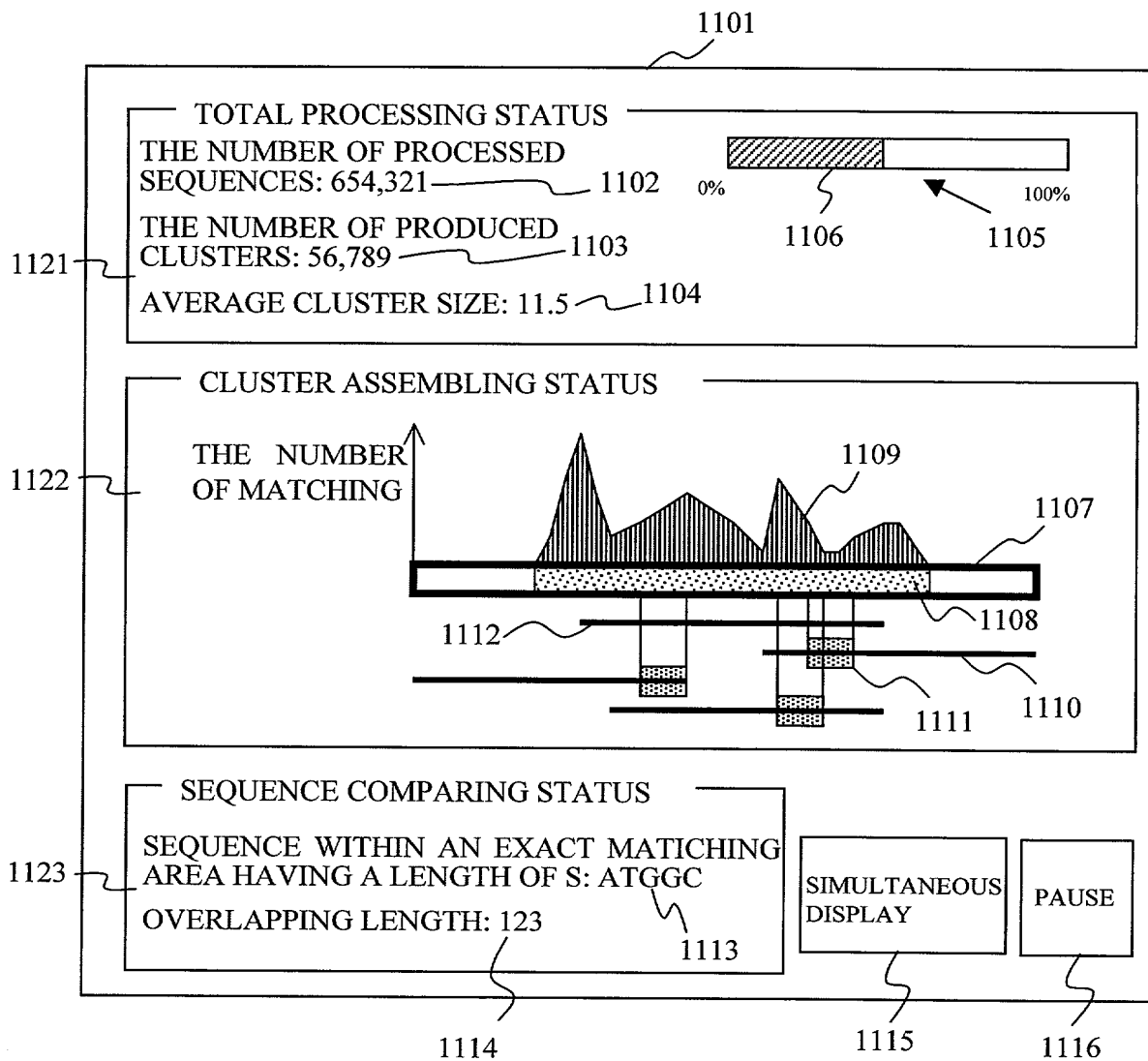


FIG.12

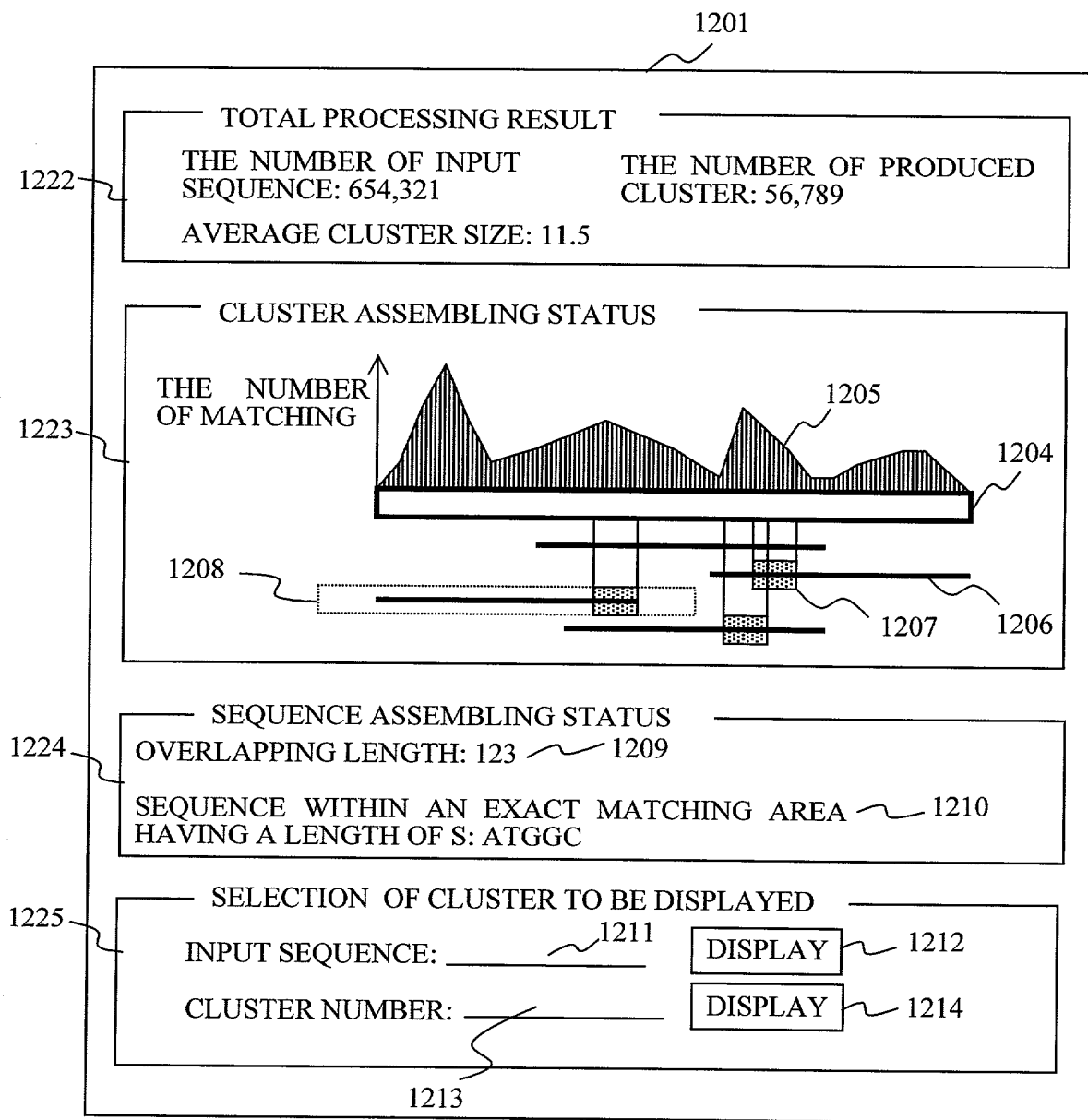


FIG.13

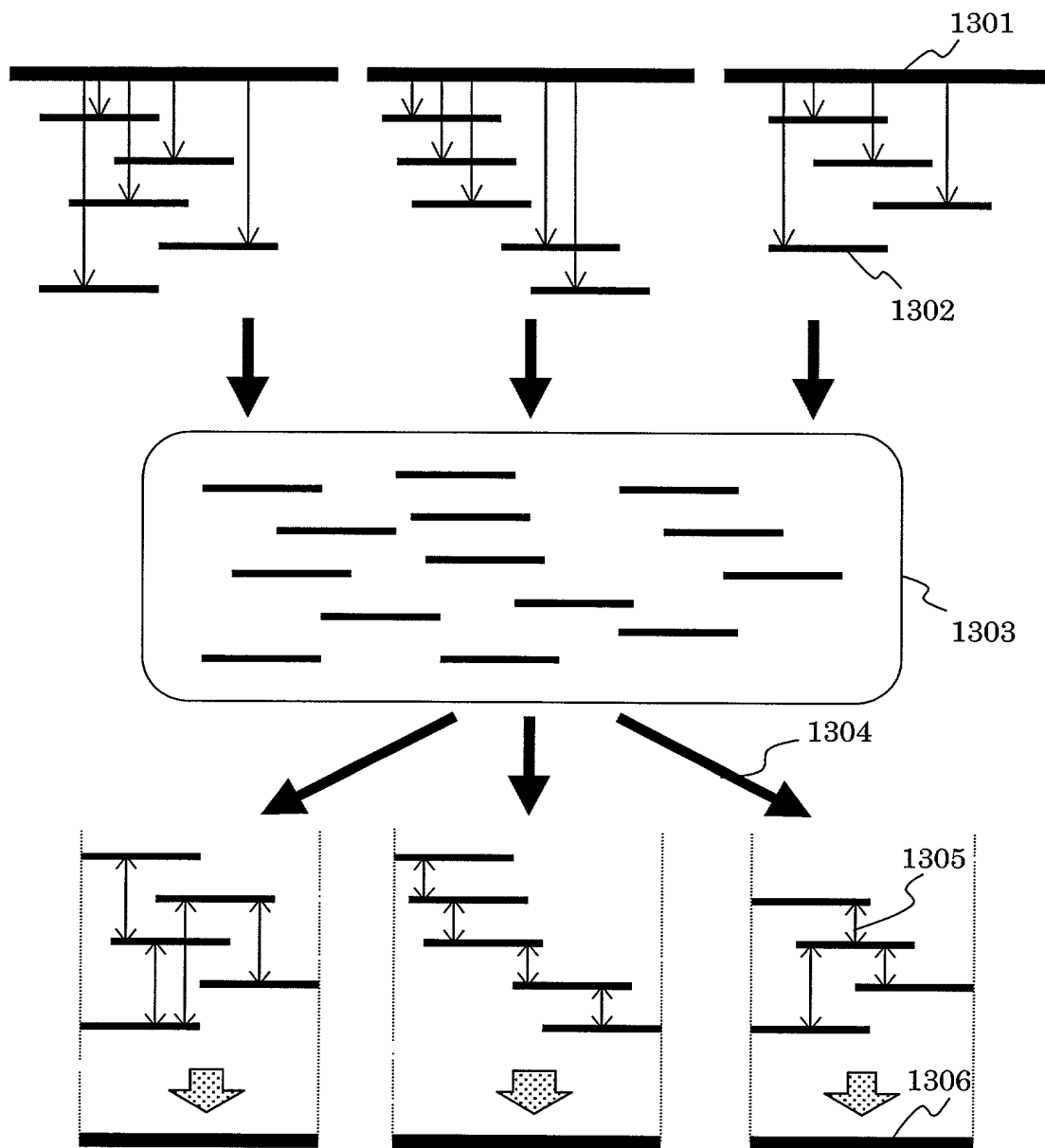


FIG.14

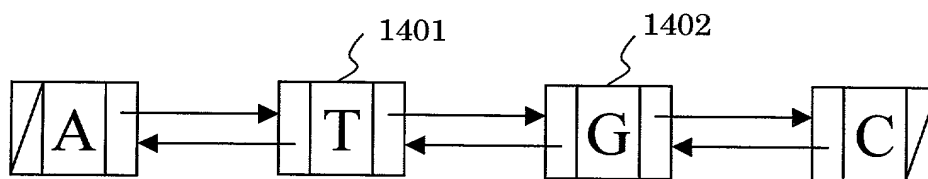


FIG.15

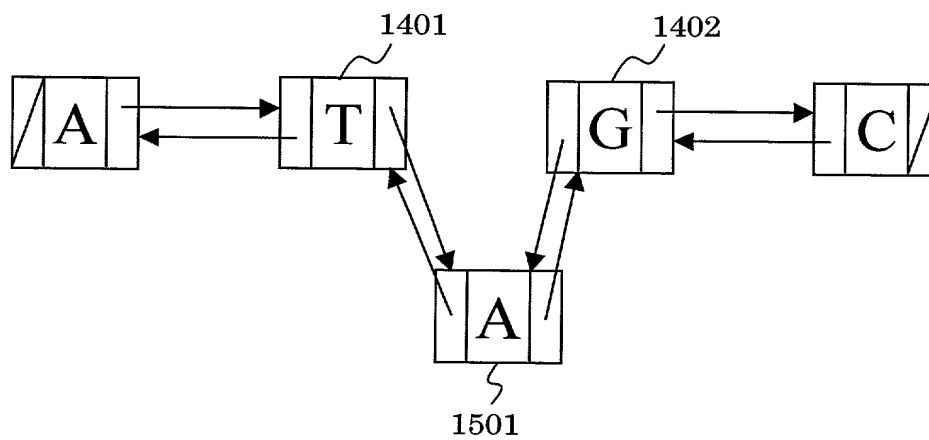


FIG.16

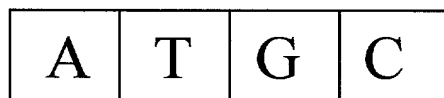


FIG.17

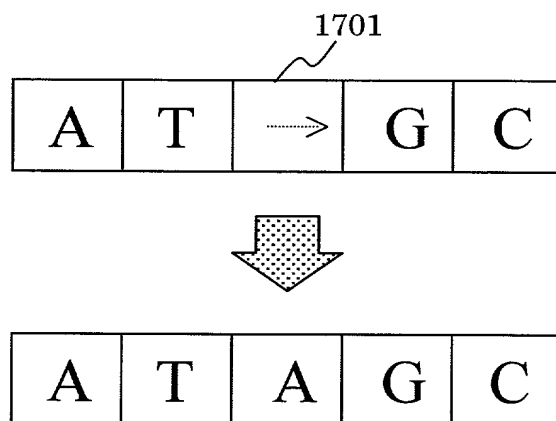


FIG.18

